SIPU RANA

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ABOUT ME

I'm a passionate and hands-on software developer with a strong interest in building web applications using the MERN stack (MongoDB, Express.js, React, Node.js). Currently, I'm working as a Software Development Engineer, where I get to apply this tech stack in real-world projects and continuously improve my skills.I'm always looking to learn more, take on new challenges, and grow as a developer.

WORK EXPERIENCE

MERN Full Stack Development Intern   *Sept 2024- Apr 2025*
Tetratrion Technologies Pvt. Ltd

- Worked on building full-stack applications using MongoDB, Express, React, and Node.js.
- Implemented RESTful APIs and integrated them with frontend components.
- Contributed to designing database schemas and writing optimized queries in MongoDB.
- Handled authentication and authorization using JWT and middleware in Node.js/Express.

Software Development Engineer Intern   *Jul 2025-Present*
Sparkradix Technologies Pvt. Ltd

- Built and optimized full-stack web applications using MERN stack with a focus on performance and scalability.
- Developed features and APIs with Next.js and TypeScript, ensuring type safety and cleaner code.
- Worked on responsive UI components and state management for better user experience.
- Integrated REST APIs with front-end pages and handled authentication, form validations, and data flo

PROJECTS

NETFLIX CLONE
Tech Stack- MongoDB, Express Js, React Js, Node Js

- Developed a full-stack Netflix clone using MERN stack, implementing user authentication (JWT), Nodemailer for email OTP Verification and secure login/signup flow.
- Built a responsive UI with React, Tailwind/Material UI, and dynamic routing for browsing movies and series.
- Integrated APIs for movie/series data fetching and created features like searching.
- Implemented backend services with Node.js & Express, using MongoDB for user data and movies management.
- Integrated a specific admin module for user management and movies & series uploading management using CRUD operation

CRUD APPLICATION
Tech Stack- MongoDB, Next JS, Typescript, React Js, Tailwind CSS

- Built a full-stack CRUD application using Next.js (App Router) with TypeScript for type safety and scalability.
- Implemented RESTful APIs for create, read, update, and delete operations, connected with MongoDB Atlas.
- Designed a responsive UI with React hooks and modern styling to enhance usability across devices.
- Applied best practices in form handling, and error validation to ensure smooth user experience.
- Integrated **Cloudinary** for secure image upload and management, enabling efficient media storage and retrieval.
- Optimized database schema and API queries to handle CRUD operations smoothly with large datasets.

EDUCATION

Master of Computer of Application(MCA)   *Sept 2023-Sept 2025*

Gandhi Engineering College(Autonomous),Bhubaneswar

- CGPA - 8.18

Bachelor of Computer of Application(BCA)   *Aug 2020-Jul 2023*

Bhanja College of Computer & Management, Bhanjanagar

- Percentage - 79

SKILLS

- **Languages**   C , Java , HTML,CSS, Javascript, Typescript
- **Libraries/Frameworks**   React JS, Tailwind CSS, Express JS, Next JS
- **Databases**   MySQL (SQL), Mongo DB(No SQL)
- **Tool**   POSTMAN (API Testing)